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PUBLISHED BY AUTHORITY

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No. 50] NEW DELHI, SATURDAY, DECEMBER 13, 1986 (AGRAHAYANA 22, 1908)

(इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके)

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

भाग III—खण्ड 2

[PART III—SECTION 2]

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Calcutta, the 13th December 1985

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CORRIGENDUM

1. In the Gazette of India, Part III, Section 2, dated 20-9-1986, under the heading "Complete Specification Accepted" on page 590, 591, 592 and 593.

(i) in respect of Patent Application No. 23/BOM/1983 for name of the Applicants "RINTAS (S) PTE. LTD" read "RINTAS (S) PVT. LTD."

(ii) in respect of Patent Application No. 339/BOM/1983 for title of the invention "MECHANISED BIDI TOBACCO PROCESSING PLANT" read "MECHANISED BIDI TOBACCO PROCESSING PLANT".

(iii) in respect of Patent Application No. 355/BOM/1983 in formula I.

for $CH_2—CH(COOR_1)—SO_3X_1$ read $CH_2(COOR_1)—CH(COOR_2)—SOC_3X_1$

(iv) in respect of Patent Application No. 356/BOM/1983 in formule I, for

$CH_2(COOR_1) — CH_2(COOR_2)\text{-}SO_3X_1$ read $CH_2(COOR_1) — CH(COOR_2)\text{-}SO_3X_1$

(v) in respect of Patent Application No. 357/BOM/1983 in formula I, for CH_2 (COOR$_1$)—CH [CH_2 (COOR$_1$] -CH (COOR$_2$)—CH

read $CH_2(COOR_1) — CH(COOR_2) — SO_3X_1$

(vi) in respect of Patent Application No. 357/BOM/1983 in formula II, for $R_3—O—(CH_2CH_2O)_n—SO_3X_2$ read $R_3—O—(CH_2\ CH_2\ O)n\ —\ SO_3X_2$

2. In the Gazette of India, Part III, Section 2, dated 27-9-86 under the heading "Complete Specification Accepted" on page 608, Column I.

1. in respect of Patent Application No. 306/BOM/1983 in the name of applicant "VIAY" read "VIJAY".

ALTERATION OF AN ENTRY IN THE REGISTER OF PATENT AGENTS (RULE 103)

The principal place of business of Shri N. J. Antony has been altered to Messrs. DePenning & DePenning 31, Wallajah Road, Madras-600 002.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

6th November, 1986

806/Cal/86. (1)Sergei Fedorovich Liushin, (2) Gazima Vleevna Galeeva, (3) Nina Mikhailovna Dyatlova, (4) Marianna Vasilievna Rudomino, (5) Evgenia Konstantinovna Kolova, (6) Nikolai Kallnikovich Malinin, (7) Alexandr Ivanovich Lipatov, (8) Valery Vasilievich Lezhenin (9) Gauaz Kabdyrovich Azhigaliev, (10) Anatoly Grigorievich Shkuro, (11) Vladimir Ivanovich Gusev, (12) Munir Nafikovich Gallyamov. A composition for inhibiting inorganic salt scale formation.

807/Cal/86. (1) Viktor Alexandrovich Budyko, (2) Andrei Fedoseevich Ivanchenko, (3) Vladimir Mikhailovich Krokhmal, (4) Vladimir Vladimirovich Konovalenko, (5) Georgy Vasilievich Nechvedov, (6) Boris Nikolaevich Lastochkin, (7) Valentin Dmitrievich Kutsov.

Device for arcless switching of Electrical circuits.

808/Cal/86. The Lubrizol Corporation. A nitrogen containing organic additive in the form of composition or concentrate. [Divisional date 28th February 1983].

809/Cal/86. Otto Kozak. Method of coating articles of magnesium and an electrolytic bath therefor.

810/Cal/86. Aktiebolagetelectrolux. Arrangement for controlling an A. C. voltage.

7th November, 1986

811/Cal/86. Digital Equipment Corporation. Thin-wire multiport repeater.

10th November, 1986

812/Cal/86. Reckitt & Colman Products Limited. Fluid dispenser. (9th November 1985) United Kingdom.

813/Cal/86. Siemens Aktiengesellschaft. A gas-blast electric circuit breaker including two spaced apart contact pieces.

814/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Preparation process of propylene homo-or co-polymer.

815/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Seharation method of polymer powder and carrier gas.

816/Cal/86. Fidia S.p.A. Coumarin derivatives, pharmaceutical compositions containing the same, and the use thereof in the treatment of cancer. [Divisional date 21st July 1984].

11th November, 1986

817/Cal/86. Ashok Bengani. Portable gas operated welder cum soldering iron.

818/Cal/86. Sri Satinath Sarkar & Sri Chandra nath Sarkar. Creation of a new energy without loss of energy.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

27th October, 1986

835/MAS/86. Sreenivas Rao Kolapalli, 'Wheel and Axle for Jumps and Throws.

27th October, 1986

836/Mas/86. Sreenivas Rao Kolapalli, One Ring for Three Throws (Disucus, Hammer and Short-put).

837/Mas/86. Sreenivas Rao Kolapalli, 'Table Measurement by movable cross staff for Jumps'.

838/Mas/86. MK Electric Limited, 'Mounting Electric Accessories".

839/Mas/86. Shell International Research Maatschappij B.V., Apparatus and Process for solids-fluid separation. (October 28th, 1985, Great Britain).

28th October, 1986

840/Mas/86. Ramar Chettiar Sennaiyan Chettiar Ponnuswamy Chettiar Ayyathurai. A Device for Automatically Maintaining the Liquid in a Tank at a Predetermined Level.

841/Mas/86. M/s Gummudipoondi Solar Products Private Ltd., Thermally Powered Heat Transfer Systems Utilizing Sequential Displacement.

842/Mas/86. Glaxo Group Limited, "A Pack for use in Devices for Administering Medicaments to Patients". (October 8th, 1982, United Kingdom). (Divisional to 1243/Cal/83).

843/Mas/86. Quadcorp Developments Co. Limited, A Board Game.

844/Mas/86. Automate (U.K.) Limited, "Support Devices".

845/Mas/86. Mac Modern Advanced Concrete S.P.A., Improvements Relating to Cementitious Mixes.

846/Mas/86. Degremont, "Device for Thickening a Solid-Liquid Suspension".

847/Mas/86. Societe Des Produits Nestle S.A., "A process for the production of a milk powder.".

848/Mas/86. Decremont. An apparatus for the Anaerobic treatment of waste water.

29th October, 1986

849/Mas/86. Madras Fertilizers Limited, 'Process for preparparing Urea-qypsum by Urea Melt Granulation Technique'.

850/Mas/86. L. David Ostlie, Method and system to provide Thermal Power for a Power Plant.

851/Mas/86. Dow Corning Corporation S., 'A method of manufacturing Alkylhalosilanes'. (October 16th. 1986, Canada).

30th October, 1986

852/Mas/86. Porous Plastics Limited, "Method of producing a sintered product". (November 7th, 1985, Great Britain).

31st October, 1986

853/Mas/86. Mosal Aluminium, Elkem A/S & Co., Outer Shell for an Electrolytic Cell for Molten Salt Electrolysis and method for producing an electrolic Cell cathode.

854/Mas/86. The Dow Chemical Company, A process for preparing a silver-on-carrier catalyst.

31st October, 1986

855/Mas/86. The Dow Chemical Company, A process for loading a shaped carrier material with a catalytically active material or with a precursor of catalytically active material, and a shaped catalyst produced by said process.

856/Mas/86. The Dow Chemical Company, "A Silver catalyst and a process for preparing same".

ALTERATION OF DATE

158575. Ante dated to 1st November, 1978. (815/Del/81)

158585. Ante dated to 21st August, 1980. (316/Cal/84)

158588. Ante dated to 4th June, 1982. 237/Cal/85)

158589. Ante dated to 19th September, 1981. (601/Cal/84)

158590. Ante dated to 19th September, 1981. (602/Cal/84)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS : 119 B. **158561**

Int. Cl. : D03d 37/00.

"IMPROVEMENTS IN OR RELATING TO A CIRCULAR LOOM".

Applicant : CHEMIEFASER LENZING AKTIENGESELLSCHAFT, OF A-4860 LENZING, AUSTRIA, AN AUSTRIAN COMPANY.

Inventor : ALFRED PLAMMER, HERMANN WEISS, ADOLF SCHACHINGER, JOHANN SCHONBERGER, BRUNO MISTLBERGER & JOHANN BLOO.

Application for Patent No. 405/Del/1982 filed on 28th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A circular loom comprising a machine frame (1) including an upper and a lower running ring (4, 5) between which a reed (3) and at least one shuttle (6) are arranged, a rotor (2) driving the shuttle (6) a harness arranged in a concentric circle about the rotor (2) for shedding the warp threads (9) and tensioning means (32) for the warp threads (9) characterised by a combination of the following characteristic features :

(a) the harness comprises a groove (10) extending wave-like on the outer side of the rotor (2) and catch elements (11) engaging in the groove, the catch elements (11) being connected with flexible bands (12, 12', 25, 25') or cords carrying thread guiding organs (16, 16') arranged at a distance from one another;

(b) deflection pulleys (13) being at the height of the upper running ring (4) said bands being deflected by said deflection pulleys (13) so that said thread guiding organs (16, 16') lie on opposite sides of said deflection pulleys; and

(c) the distance between the upper and the lower running rings (4, 5) as well as the maximum distance between the thread guiding elements (16, 16') or organs at the deflected flexible band (12, 12', 25, 25') or cord are such that the shedding angle is sufficiently large to prevent a contact of the warp threads (9) with the shuttle (6).

Compl. Speen. 12 pages. Drg. 3 sheets.

CLASS : 148 H. **158562**

Int Cl. : G01j 3/00, 3/28, H05g 1/60 & 1/00.

"APPARATUS FOR ASSAYING IN SITU THE CONCENTRATION OF A CHEMICAL ELEMENT IN AN OBJECT".

Applicant UNC NUCLEAR INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS AT 2900 GEORGE WASHINGTON WAY, RICHLAND, STATE OF WASHINGTON 99352, UNITED STATES OF AMERICA.

Inventor : WILLIAM CHARLES BOYCE, WARREN DEAL WITTEKIND, LEROY CRAIG HOWARD, THOMAS EDWARD HALL AND WAYNE MAYNARD LECHELT.

Application for Patent No. 423/Del/1982 filed on 2nd June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Apparatus for assaying in situ the concentration of a chemical element in an object having an unknown concentration of said chemical element using X-ray fluorescence without control over the physical relationship between said object and a source of particles of electromagnetic radiation or a detector of X-ray radiation, said apparatus comprising :

a probe for irradiating said object with particles of electromagnetic radiation and for measuring the X-ray radiation from said object probe comprising;

a casing;

a source of particles of electromagnetic radiation having sufficient energy to produce X-ray fluorescence of said chemical element, said source being mounted in said casing;

a detector mounted in said casing for measuring the X-ray radiation received from said object having energies in at least a first range which encompasses at least one X-ray fluorescence spectral line associated with said element and a second range where the comption peak is observed; and shielding mounted in said casing between said source and said detector;

a calibrator for calibrating said X-ray radiation received from said samples in which is stored at least one correction factor or a function thereof, said correction factor(s) being determined by a linear relationship between concentrations of samples of different known concentrations of said element and the X-ray radiation received at said detector in said first and second ranges when said samples are irradiated with said source of particles of electromagnetic radiation, said X-ray radiation from said samples having energies in the same range(s) as that in which said X-ray radiation is measured by said detector from said object; and

an analyzer for receiving signals from said detector and said calibrator for determining the concentration of said element in said object, said concentration of said element in said object being determined by using radiation measured by said detector, said correction factor (s) or a function thereof, and said linear relationship.

Compl. Specn. 41 pages. Drg. 12 sheets.

CLASS : 32 F 2b. 158563

Int. Cl. : C 07d 51/72.

"A PROCESS FOR THE SYNTHESIS OF 3-(N-ETHYLACETOAMIDO)-1-METHYLPIPERAZIN-2-ONE."

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SUSHIL KUMAR DUBEY, SATYAVAN SHARMA AND NITYA ANAND.

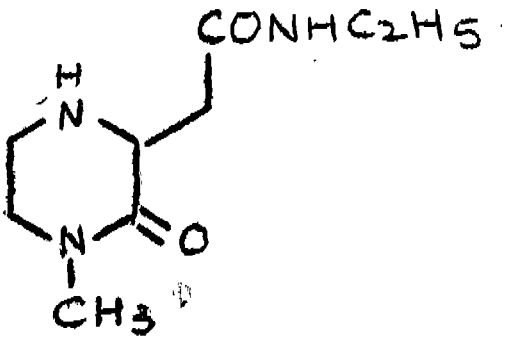
Application for Patent No. 439/Del/1982 filed on 10th June, 1982.

Complete specification left on 9th September, 1983.

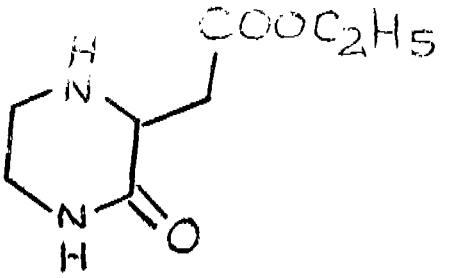
Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

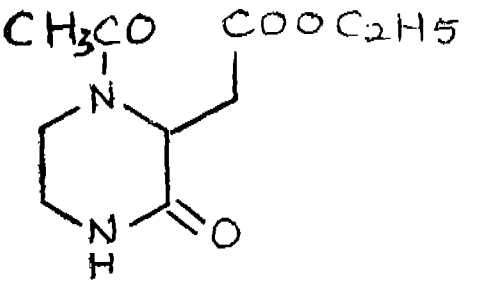
Process for the synthesis of 3-(N-ethylacetomido)-1-methylpiperazin-2-one of formula (V)



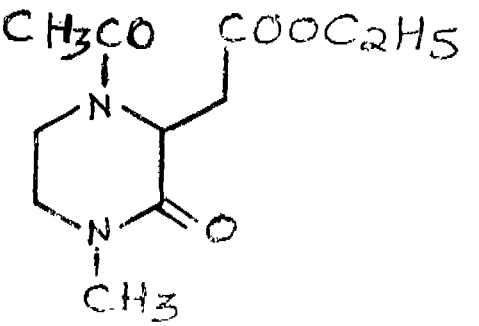
comprising (a) treating 3-carbethoxymethylpiperazin-2-one of formula (I)



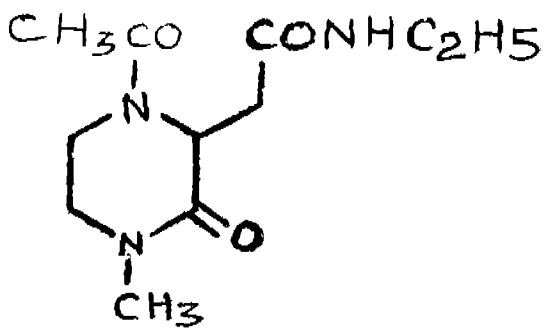
with an acetylating agent in the presence of an organic solvent to form 4-acethyl-3-carbethoxylpiperazin-2-one of formula (II)



(b) subjecting the compound of formula (ii) thus formed to methylation to obtain 4-acetyl-3-carbethoxymethyl-1-methylpiperazin-2-one of formula(III),



(c) reacting the compound of formula (III) formed with ethylamine to form 4-acetyl-3-(N-ethylacetamido)-1-methyl-piperazin-2-one of formula (IV)



Formula IV

and (d) subjecting the compound of formula (IV) thus formed to hydrolysis by known methods to form desired 3-(N-ethylacetoamido)-1-methylpiperazin-2-one of formula (V).

Provisional Specification 5 pages.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 32E. 158564

Int. Cl.: C08g 7/04, 15/00 & 33/02.

"A PROCESS OF PREPARING AN AQUEOUS DISPERSION OF FILM-FORMING POLYMER".

Applicant : DULUX AUSTRALIA LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, MANUFACTURERS AND MERCHANTS, OF 35 COLLINS STREET, MELBOURNE, 3000, VICTORIA, AUSTRALIA.

Inventor : RODNEY WALTER PARR, JOHN EDWARD SWAIWELL AND DAVID VINCENT GIBSON.

Application for Patent No. 453/Del/1982 filed on 16th June, 1982.

Convention date on 29th June, 1981/PE9496 and 23rd December, 1981/PF2074/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A process of preparing an aqueous dispersion of film-forming polymer comprising mixing pre-formed polymer, unsaturated monomer and water to form a dispersion of particles wherein the individual particles comprise a blend of pre-formed polymer and monomer and are stabilised by the presence of a stabilising compound of the kind such as herein described and the monomer is polymerised to give an aqueous dispersion of particles wherein each particle comprises a blend of pre-formed polymer and polymer formed *in situ* from the monomer, characterised in that the stabilising compound is an amphipathic compound of the kind such as herein described with an H.L.B. value of at least 8, that portion of the compound which is lipophilic comprising at least one ethylenic double bond.

Compl. Specn. 34 pages.

CLASS : 116 G. 158565

Int. Cl. : C 10b 31/00 and 37/04.

"A DEVICE FOR SUPPLYING PRE-HEATED COAL TO A COKING OVEN BATTERY."

Applicant : OTTO-SIMON CARVES LIMITED, A BRITISH COMPANY OF EUROPE HOUSE, BIRD HALL LANE, CHEADLE HEATH, STOCKPORT, CHESHIRE, ENGLAND.

Inventor : DAVID BRIAN CORRY.

Application for Patent No. 485/Del/1982 filed on 29th June, 1982.

Convention Date on 4th July, 1981/8120743/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A device for supplying pre-heated coal to a coking oven battery, comprising a conveying section, a plurality of storage bunkers for receiving the coal from the conveying section, a plurality of metering bins for receiving the coal from the storage bunkers and for transferring same in metered quantities to the coking ovens, and a first inert gas reservoir adapted to introduce inert gas such as herein defined to the conveying section and to the storage bunkers, characterised by a second inert gas reservoir adapted for connection selectively to the first inert gas reservoir or to said metering bins, and control means to permit said second inert gas reservoir to become charged with said inert gas prior to the discharge of coal from the metering bins, and to release said inert gas charge into the metering bins consequent on the discharge of coal therefrom.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 94 E&G. 158566

Int. Cl. : B04c 19/00.

"METHOD OF COMMINUTING COARSE PARTICULATE, HOMOGENOUS AND/OR HETEROGENOUS MINERAL MATERIAL IN AN AUTOGENOUS PRIMARY-GRINDING SYSTEM".

Applicant: BOLIDEN AKTIEBOLAG, A SWEDISH COMPANY OF BOX 5508 STUREGATAN 22, S-114 85 STOCKHOLM, SWEDEN.

Inventor : OLLE EMANUEL MARKLUND, CARL-GUSTAF ELMLID, ULF PEDER MARKLUND AND CARL MIKAEL BORELL.

Application for Patent No. 507/Del/1982 filed on 6th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A method for comminuting coarse particulate, homogenous and /or heterogenous mineral material in an autogenous primary grinding system which comprises crushing initial lumps of mineral material to a predetermined largest fragment size, subjecting said crushed material to screening operation, separating the screened material to a coarsest fraction, an intermediate fraction and a fine fraction, said coarsest fraction being charged in desired amounts to the mill as the grinding media and to form the grinding mill charge, crushing said intermediate fraction to a predetermined particle size, mixing said crushed intermediate fraction with said fine fraction of said screened material, said fine fraction being screened to the same size as the size of the crushed intermediate fraction, characterised in that the smallest particle size of the coarse fraction has a weight which about 20 times the weight of the largest particle size of the fine fraction, the coarse fraction being $\geq$ 10% and the fine fraction being $\leq$ 90% of the charged material, feeding said coarse and fine fractions respectively to the autogenous grinding mill in a predetermined ratio, the ratio being dependent upon the largest size of the lump material to be ground before the pre-crushing operations, and the grinding properties of the material, and maintaining the mill charge in an amount sufficient to maintain a given set point value with regard to the required power input of the mill or a given feed rate there through

Compl. Specn. 13 pages. Drg. 4 sheets.

CLASS :69I & Q. 158567

Int. Cl. : H01h 37/36.

"AN IMPROVED CAPILLARY TYPE CUT OUT".

Applicant : HEATING DEVICES & CONTROL, OF 12TH FLOOR, VANDHNA, 11 TOLSTOY MARG, NEW DELHI-110001. AN INDIAN PARTNERSHIP FIRM WHOSE PARTNERS ARE SANJAY GUJRAL, NEELAM CELLY, ANJU SETH, AMEETA KHANNA, KAVITA DHAWAN, UPASANA WADHA AND K. P. SETHI.

Inventor : SANJAY GUJRAL.

Application for Patent No. 509/Del/1982 filed on 7th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

7 Claims

An improved capillary type cut out comprising a sensing element and a switching member, said sensing element comprising a capillary tube extending into a bulb at one end and a head member at opposite end, an expandable gas disposed within said bulb, a deformable plate provided with said head member and capable of being deformed upon an expansion of said gas, said switching member responsive to the deformation of said plate, being characterized in that a fixed arm having a first contact, and a movable arm having a second contact, said movable arm adapted to be actuated by said deformable plate, a manually operated push button provided with said moveable arm, and a lamp or bulb for indicating the state of said contacts, said contacts when in an electrical made position adapted to connect a load to a power

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 187 C3. 158568

Int. Cl. : H04m 3/12.

"SPARE SUBSCRIBER TERMINAL APPARATUS."

Applicant : COMPAGNIE INDUSTRIELLE DES TELECOMMUNICATIONS CIT-ALCATEL, OF 12, RUE DE LA BAUME, 75008 Paris, France, A French company.

Inventors : MARC KEMLER, CHRISTIAN COPPENS AND MICHEL BILLOT.

Application for Patent No. 514/Del/1982 filed on 7th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

Spare subscriber terminal apparatus for use in a telecommunication system including : a plurality of subscriber line circuits for interfacing respective subscriber lines to the rest of the system; subscriber line test means provided with a subscriber line test bus; subscriber terminal test means provided with a junctor test bus; a test relay connected to each said subscriber terminal and having first switching means connected to each said subscriber line to connect, it selectively to its corresponding subscriber terminal or to said subscriber line test means and second switching means connected to each subscriber terminal to connect it selectively to its corresponding subscriber line or to said subscriber terminal test means; the subscriber terminal being organised in terminals units each of which comprises a plurality of said subscriber terminals and said terminal units being organised in groups each of which comprises a plurality of said terminal units, wherein the spare subscriber terminal apparatus comprises a spare terminal unit and a test means isolator per group, said isolator including third switching means for selectively connecting an extension of said subscriber line test bus having parallel line connections connected to all the subscriber lines of said one terminal unit either to said line test bus, and hence to said subscriber line test means, or else to the subscriber terminals of the spare terminal unit, whereby said extension of the subscriber line test bus is switched to connect the spare terminal unit to the subscriber lines of a faulty terminal unit while isolating the subscriber line test bus from said extension of the line test bus, said test means isolator further including switching means to isolate said junctor test bus from an extension of the junctor test bus, said extension of said junctor test bus being connected to all the subscriber terminals of the terminal units, while said extension of the line test bus is being used to connect the spare terminal unit to subscriber lines.

Compl. Specn. 12 pages. Drg. 3 sheets.

CLASS : 84 C1. 158569

Int. Cl. : C10J 5/00 5/14.

"A PROCESS OF PREPARING A LOW ASH COAL FROM A COMPOSITE OF COAL AND MINERAL MATTER".

Applicant : OTISCA INDUSTRIES LTD., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WHOSE MAILING ADDRESS IS 501 BUTTERNUT STREET, LAFAYETTE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : DOUGLAS VERN KELLER, JR.

Application for Patent No. 519/Del/1982 filed on 8th July 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

21 Claims

A process of preparing a low ash coal from a composite of coal and mineral matter, said method comprising the steps of : reducing said composite to a particle size distribution such that said composite can be slurried; mixing said composite with an aqueous liquid in an amount sufficient to form an aqueous slurry of said composite; comminuting said composite while in said aqueous slurry to a size consist such that the composite is resolved into separate particulate phases of coal and hydrophilic mineral matter and said mineral matter is dispersed in the aqueous carrier of the slurry; thereafter mixing with said slurry a liquid agglomerating agent which : has a high interfacial tension with water and a low viscosity is capable of being adsorbed onto the surfaces of the coal particles to render them more hydrophobic without effecting the hydrophilicity of the mineral matter, is capable of bonding said coal particles into agglomerates of product coal by forming liquid bridges therebetween, and is selected from the group consisting of :

1, 1, 2-trichloro-1, 2, 2-trifluoroethane,

pentane

trichlorofluoromethane, and

2-methylbutane;

agitating the resulting mixture without more than incidental further comminution of the coal, thereby effecting a separation of said coal particles from said aqueous liquid and the mineral matter dispersed therein, a coalesence of said coal particles into product coal agglomerates, and the expulsion of water and mineral matter from the voids between the particles making up said agglomerates, and recovering said agglomerates from said slurry.

Compl. Specn. 42 pages. Drg. 2 sheets.

CLASS : $32F_2(6)$. 158570

Int. Class : C 07d 49/38.

"A PROCESS FOR THE SYNTHESIS OF 2,2 '-DICARBALKOXYAMINO-5-5'-DIBENZIMIDAZOLYL OXIDE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG NEW DELHI-110001. INDIA, AN INDIAN, REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES (ACT XXI OF 1860).

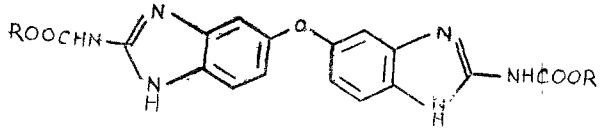
Inventor : SYED ABUZAR, SATYAVAN SHARMA, JAGDISH CHANDRA KATIYAR, AMIYA BHUSHAN SEN, SANJAY MOHAN JOHRI, SUMAN GUPTA AND SHIVE RAM.

Application for Patent No. 562/DEL/1982 filed on 22nd July, 1982. Complete specification left on 22nd October, 1983.

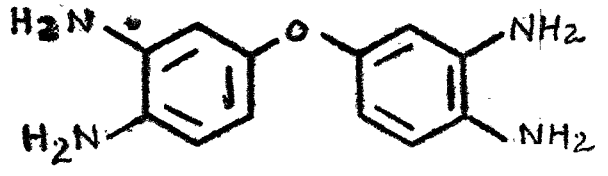
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 claims

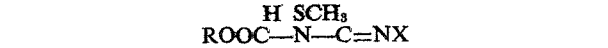
A process for the synthesis of 2, 2'-disubstituted-5-5'-dibenzimidazolyl oxide of general formula (III).



wherein R is hydrogen, alkyl like methyl, ethyl comprising reducing by known methods 4 4'-diamino-3, 3'-dinitrodiphenyl oxide to form 4, 4', 3, 3'-tetraaminodiphenyl oxide of general formula (I)



and cyclising the same by refluxing with carbalkoxy-S-methyl isothiourea of the formula II



wherein x is hydrogen or COOR wherein R is hydrogen, alkyl like methyl or ethyl.

Provisional Specification 4 pages. Drg. 1 sheet.

Complete specification 7 pages.

CLASS : 143 D/4 [XL(5)]. 158571

Int. Class : B 65 b 5/00.

"A SEMI AUTOMATIC PACKAGING MACHINE FOR USE WITH LINED CARTONS".

Applicant : ROLLATAINERS LIMITED, AN INDIAN COMPANY OF 13/6, MATHURA ROAD FARIDABAD-121003, HARYANA.

Inventor : SUKESH CHANDER MALHOTRA.

Application for Patent No. 650/DEL/1982 filed on 28 h August 1982.

Complete specification left on 26th August, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

29 claims

A semi automatic packaging machine for use with lined cartons comprising a loading station, means for transferring a carton holder from the loading station to a plurality of succeeding stations the first station after the loading station having means for opening of the bottom major flaps and opening of the liner, a next station having means for stretching of the liner in the bottom flap portion and means for heat sealing of the stretched liner, a next station consisting of means for folding the bottom minor flaps and the liner provided in the portion of said minor flaps followed by a next station having means for applying an adhesive to the bottom maior flaps, a next station consisting of means for folding the bottom major flaps and such that the said flaps are in an adhering relationship to each other a next station having means for supplying a fixed dosage of the material into a carton including vibrating means for settling of the material, a plurality of next stations for sealing of the top flaps of said cartons and in a manner similar to that of the bottom flaps, the said means at different stations being inter connected and actuated one after another by means provided therefor in the order the said stations are arranged.

Provisional Specification 7 pages.

Complete Specification 28 pages. Drgs. 9 sheets.

CLASS : 116F. 158572

Int. Class : B 66b 11/02.

"ELEVATOR CAB".

Applicants : OTIS ELEVATOR COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW JERSEY, LOCATED AT TEN FARM SPRINGS, FARMINGTON, CONNECTICUT-06032, UNITED STATES OF AMERICA.

Inventor : RICHARD JOHN ERICSON.

Application for Patent No. 655/DEL/1982 filed on 30th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

4 claims

An elevator cab comprising :

Frame comprising vertical supports and horizontal supports interconnected together, the vertical supports defining the cab walls, the horizontal supports defining the cab floor and ceiling, and characterised by :

Panels attached to the frame and comprising expanded core plastic material,

first fastener assemblies located at vertically spaced-apart points between each panel and a vertical support for holding the panels in position on the support, each first fastener assembly comprising hook-like fasteners having two joinable sections, one attached to the panel, the other to the vertical support and

Second fastener assemblies disposed between vertically adjacent first fastener assemblies, for holding the joinable sections in compression, each second fastener assembly comprising a nut embedded in the panel and a bolt that extends through the vertical support into the nut,

said vertical supports comprising channel supports which are U-shaped and L-shaped supports, the L-shaped supports defining the corners of the cab wall, the channel supports being disposed between said L-shaped supports for defining a cab wall frame between said corners and there being at least two such channel supports for the wall opposite the caw entrance and one channel support between adjacent panels on the same cab wall, said channel support having its widest solid surface facing inward to the cab interior, to which surface said first fastener assembly is attached and through which said bolt extends, and its open end facing the elevator hoistway walls.

each channel support having a flat width ratio of 60 or less wherein the flat width ratio is equal to the support width over the support thickness, and

said horizontal supports including L-shaped supports which are attached to each vertical support.

Complete Specification 11 pages, Drgs. 2 sheets.

CLASS : 107 K [XLVI(2)]. 158573

Int. Class : F 02 d 13/00.

"IMPROVEMENTS IN OR RELATING TO INTERNAL COMBUSTION ENGINE."

Applicant : SOCIETE D'ETUDES DE MACHINES THERMIQUES S.E.M.T., OF 2, QUAI DE SEINE, 93202 SAINT DENIS, FRANCE, A FRENCH COMPANY.

Inventor : REMI CURTIL.

Application for Patent No. 662/DEL/1982 filed on 31st August 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

2 claims

A supercharged four-stroke cycle internal combustion engine, in particular Diesel engine, with an early fixed intake closure and a partial overlap of the opening periods of the exhaust valve and intake valve, respectively of a same working cylinder, each exhaust valve-operating cam of which comprises in addition to its main normal opening operating boss, a partial re-opening-operating auxiliary boss angularly spaced from and rearwards of said main boss in the direction of rotation of said cam wherein each exhaust valve-operating cam comprises an additional or intermediate boss for operating a residual lift of the exhaust valve, which continuously connects with said main boss and said auxiliary boss, and wherein a by-pass duct is connected between the compressed air delivery duct of the compressor and the opening of the or each exhaust manifold of the engine.

Compl. Specn 17 pages, Drgs 4 sheets.

CLASS : 32 E. 158574

Int. Class : CO8g-22/08.

"AN IMPROVED PROCESS FOR THE PREPARATION OF THERMOPLASTIC POLYURETHANES POLYMERS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventors : NANASAHEB DATTATRAO, GHATGE AND JALANDAR YASHAWANT JADHAV.

Application for Patent No. 670/DEL/1982 filed on 1st September 1982.

Appropriate office for opposition proceedings (Rule 4, Paten Rules 1972) Patent Branch, New Delhi-110 005.

(6 Claims)

An improved process for the preparation of thermoplastic polyurethane polymers comprising reacting a modified bifunctional castor oil with a diisocyanate, treating the prepolymer formed with diols or diamines and a catalyst such as herein described at 0°C to 200°C.

Compl. Specn. 7 pages.

CLASS : 40 B & 39 K. 158575

Int. Class : B 01 J-11/50

"A CARBON MONOXIDE SHIFT CONVERSION PROCESS".

Applicant : UNITED CATALYSTS INC., OF 1227 SO. 12TH STREET, P.O. BOX 86 LOUISVILLE, KENTUCKY-40201, U.S.A.

Inventors : HAUSBERGER ARTHUR LIONEL, DIENES EDWARD KEIM.

Application for Patent No. 815/Del/1981 filed on 30th December, 1981, Divisional to Patent Application No. 785/Del/78 filed on 1st November 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 claims

An improved process for conversion of carbon monoxide by steam to hydrogen and carbon-dioxide which comprises passing a reaction mixture comprising carbon monoxide and steam at a temperature of from 300° to 1000°F., but above the dew point temperature of said reaction mixture and at a pressure below the dew point pressure of said reaction mixture but within the range of from 1 to 200 atmospheres over a catalyst selected from molydonum oxide with or without cobalt oxide and supported on a stabilised aluminous support comprising aluminium oxide in the gamma phase in intimate association with a rare earth metal oxide of the lanthanum series.

Compl. Specn. 28 pages.

CLASS : 206A. 158576

Int. Class : H01 q 1/00, 1/50.

"A GROUND-PLANE ANTENNA."

Applicant : BUDAPESTI RADIOTECHNIKAI GAYAR, OF 1033 BUDAPEST, POLGAR U. 8-10, HUNGARY, A HUNGARIAN COMPANY.

Inventor : MIHALY NEMET.

Application for Patent No. 675/DEL/1982 filed on 6th September, 1982.

Appropriate office for opposition proceeding Rule 4, (Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 claims

A ground-plane antenna comprising a vertical resonant quarter-wave radiating rod (1), an antenna base mechanically coupled to the lower end of the radiating rod (1) and at the operational frequency said base being isolated from said lower end a plurality of counterweight resonant rods (3) extending from and connected with said antenna base and providing a virtual ground plane (2) for the radiating rod (1) said radiating rod (1) being of tubular form, an earthing rod (7) extending centrally in the tube and being short-circuited at the upper end (6) thereof with said tube, whereby a short-circuited coaxial line section shorter than the quarter-wavelength is formed, a pair of input terminals (4,5) for connection to a coaxial feeding line (17), said terminals (4, 5) being formed by said lower end of the radiating rod (1) and by said base, characterized in that the antenna comprises a coaxial line section open at one end and the other end being connected across said input terminals (4,5) the outer conductor of said open line section being connected to said base, said open line section (16) being an extension of said short-circuited line section and the combined electrical length of the two line sections being in the tolerence range of +- 25% of the quarter-wavelength, and the input terminals (4, 5) being tapping points of the so obtained resonant combined line section, thereby to at least partially compensate for the reactive component of the input impedance of the antenna

Compl. Specn. 12 pages, Drgs. 2 sheets

CLASS : 51 D [LXVI(2)]. 158577

Int. Class : A 45 d 27/00 AND B 26 b 21/18 & 21/54.

"A RAZOR BLADE CARTRIDGE HAVING AT LEAST TWO SPACED BLADES."

Applicant : WERNER-LAMBERT COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING OFFICES AT 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950 UNITED STATES OF AMERICA.

Inventor : JOHN THOMAS CIAFFONE.

Application for Patent No. 677/DEL/1982 filed on 7th September 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

8 claims

A razor blade cartridge having at least two spaced blades having cutting edges, a movable member or fin sandwiched between the blades for purging the blades of shaving debris, a cover connected permanently to the blade cartridge and movable to and fro relative to the cartridge and means making a driving connection between the cover and said movable member operative to drive said movable member whenever the cover is moved in a predetermined direction.

Complete Specification 8 pages. Drgs. 4 sheets.

CLASS : 24 A, F. 158578

Int. Class : B60t—1/00.

"FRICTION/CAM LINKAGE CONTROL SYSTEM FOR NEUTRALISATION OF TRANSMISSION AND INCHING OF VEHICLES WITH BRAKE PEDALS".

Applicant : ESCORTS LIMITED, OF H-2 CONNAUGHT CIRCUS, NEW DELHI 110 001, INDIA, AN INDIAN COMPANY.

Inventors : MADAN MOHAN MEHTA, SUNIL KUMAR CHAUDHRY, VIJAY KUMAR JADON, AVINASH MADHUKAR DESHPANDE.

Application for Patent No. 678/DEL/1982 filed on 7th September 1982.

Complete specification left on 21st November 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

7 claims

A friction/cam linkage control system for neutralisation of transmission and inching of the vehicle with a brake pedal comprising a hand operated speed lever means for rotation of a drive shaft and a guide cam, said guide cam being adapted to receive a pin fixed to a driven shaft, means for retaining said speed lever means in a pre-selected position a neutraliser cum dynamic foot pedal being provided with means for lifting said guide cam to disengage said guide cam from said driven shaft, said driven shaft being adapted to move a manual servo lever to a preselected position set by said hand operated speed lever means, such that when said guide cam is engaged with said driven shaft, the vehicle will accelerate but when said guide cam is disengaged from said driven shaft, said manual servo control lever is brought to its neutral position resulting in the dynamic braking of the vehicle.

Provisional specification 6 pages.

Complete specification 9 pages. Drgs. 2 sheets.

CLASS: 39 O. 158579

Int. Class : C 01 b 33/12.

"A PROCESS FOR THE PREPARATION OF SILICON HAVING A HIGH PURITY".

Applicants : NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA OF 20-22, ZAMROODPUR COMMUNITY CENTRE, KAILASH COLONY EXTENSION, NEW DELHI-110048, INDIA A GOVERNMENT OF INDIA UNDERTAKING; AND INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR, AN EDUCATIONAL AND RESEARCH ORGANISATION ESTABLISHED BY GOVERNMENT OF INDIA.

Inventors : HIRENDRA NATH ACHARYA, HARI DAS BANERJEE AND NIRMAL CHANDRA ROY.

Application for Patent No. 684/DEL/1982 filed on 8th September 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

6 claims

A process for the preparation of highly pure silicon comprising the steps of heating rice husk or hull to produce ash containing silica, at a temperature below the temperature at which the ash would form a coke subjecting the ash to a two step of purification for removing water soluble impurities and acid soluble impurities therefrom, one of the said steps of purification consisting of treating the ash with deionized water for removal of water soluble impurities, the other step comprising in leaching the ash with a mineral acid, such as hydrochloric acid, for removal of acid soluble impurities, reducing the purified ash with magnesium in the presence of an inert substance to obtain a reaction product of magnesium oxide & silicon, & treating the reaction product with an acid such as hydrochloric acid for removing the magnesium oxide as a salt in aqueous solution leaving pure silicon.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 63 I & 68 C. 158580

Int. Class : H 02 k-17/00.

"PARAMETRIC ELECTRIC MACHINE".

Application : DIPL. ING. HITZINGER GESELLSCHAFT m.b.H., OF HELMHOLTZSTRASSE 56, A-4021 LINZ, AUSTRIA AN AUSTRIAN COMPANY.

Inventor : FERDINAND CAP.

Application for Patent No. 688/DEL/1982 filed on 8th September 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

9 claims

A parametric electric machine comprising at least one capacitor having connected thereto means such as herein described periodically varying the capacity of said capacitor, said capacitor being incorporated within a series resonant circuit which has resistance and includes at least one induction coil connected to said capacitor, wherein the amplittude of the relative variation of the capacity in said resonant circuit is at least twice the attenuation factor and at least the inductance or resistance or capacitance of the resonant circuit forms a non-linear element, the impedance of which is dependent of the current flowing in the resonant circuit so that the fluctuation of voltage which appears according to the transformation of mechanical work into electrical energy at the capacitor is transformed into sinusoidal alternating voltage.

Compl. Specn. 16 pages. Drg 2 sheets.

CLASS : 175-F. 158581

Int. Cl. F 16 j 15/00.

HONEYCOMB LABYRINTH SEAL FOR STEAM TURBINES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. RALPH ELIAS McGINNIS.
2. LEWIS GRAY.

Application No. 19/Cal/84 filed January 9, 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A honeycomb labyrinth seal for a steam turbine, in which said honeycomb seal comprising a base portion, a plurality of rows of honeycomb cells extending radially inwardly from the base portion so that each cell is open adjacent a rotatable blade of the steam turbine; a plurality of passages are formed so that each cell is connected to at least one passage and at least one passage is open upstream of the rows of honeycomb cells and at least one passage is open downstream of said rows of honeycomb cells thus permitting steam to flow through said passages and cells from the upstream side to the downstream side of said honeycomb labyrinth seal.

Compl. Specn. 7 pages, Drgs. 2 sheets.

CLASS : 108-B_1. 158582

Int. Cl. C 21 b 1/18, 13/08.

PROCESS FOR THE DIRECT REDUCTION OF IRON OXIDE-CONTAINING SINTERED MATERIAL TO SPONGE IRON IN A ROTARY KILN.

Applicant: METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000 FRANKFURT AM MAIN FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. MICHAEL ROMBERG 2. FRED CAPPEL.

Application No. 96/Cal/84 filed February 9, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

A process for the direct reduction of iron oxide-containing sintered material to sponge iron in a rotary kiln, wherein a sinterable mixture consisting of iron oxide-containing fine-grained material and solid fuel has been sintered on a sintering machine, in which oxygen-containing gases are passed through the mixture and the sintered material is reduced in size and is charged into the rotary kiln together with a solid carbonaceous reducing agent, characterized in that the rotary kiln is charged with sinter having a CaO to SiO_2 ratio of 0.8 to 1.4 and the rotary kiln is also charged with a solid carbonaceous reducing agent which releases only a minimum quantity of hydrogen at temperatures upto 600 to 700°C.

Compl. Specn. 13 pages, Dr. nil.

CLASS : 32-F_5. 158583

Int. Cl. C 07 f 9/02.

A METHOD OF PRODUCING BROMIDES OF -S-DIALKOXYTHIO-PHOSPHORYL THIOGLYCOLIC ACID.

Applicant : POLSKA AKADEMIA NAUK—CENTRUM BADAN MOLEKULARNYCH I MAKROMOLEKULARNYCH, OF LODZ, UL. BOCZNA 5, POLAND.

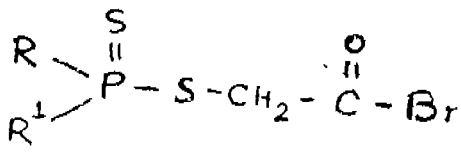
Inventors : 1. ANDRZEJ LOPUSINSKI, 2. JAN MICHALSKI, 3. MAREK POTRZEBOWSKI.

Application No. 254/Cal/84 filed April 19, 1984.

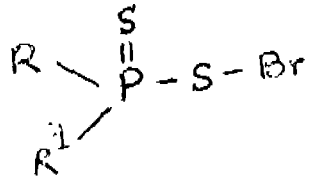
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

A method of producing bromides of S-dialkoxythiophosphoryl-thioglycolic acid of the general formula 1 shown in the accompanying drainge.



in which R and R^1 are the same or different and denote an alkoxyl group with 1-5 carbon atoms or an aryloxyl group with 6 carbon atoms, wherein thiox aphosphoranesulphenyl bromide of the general formula 2 of the drawings.



in which R and R_1 have the above specified meaning, is treated in the medium of aprotic solvent such as herein described, with 1-3 moles of ketene of the formula CH_2-C=O in a temperature of form —25°C upto +10°C.

Compl. Specn. 6 pages, Drg. 1 sheet.

CLASS : 63-I. 158584

Int. Cl. F 01 k 13/00.

POWER STATION INCLUDING AN INTEGRATED COAL GASIFICATION PLANT AND ORGANIC CHEMICAL SYNTHESIS PLANT(S).

Applicant: KRAFTWERK UNION AKTIENGESELLCHAFT, OF 433 MULHEIM (RUHR), WIESTNSTR, 35 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. ULRICH SCHIFFERS, 2. RAINER MULLER.

Application No. 289/Cal/84 filed May 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 claims

A power station including an integrated coal gasification plant, including a heat exchange and gas purification plant connected to the coal gasifier, including a gas turbine and steam power station section connected to the heat exchange and gas purification plant, and including a methanol synthesis plant; wherein the methanol produced in the methanol synthesis plant and also the synthesis waste gas of the methanol synthesis are adapted to be supplied at least partly to an additional partial plant for an additional chemical manufacturing process; and wherein the superfluous synthesis waste gas from the methanol synthesis plant and the waste gas from the additional partial plant are adapted to be supplied at last partly to the combustion chamber of the gas turbine power station section.

Compl. Specn. 15 pages, Drgs. 2 sheets.

CLASS : 32F₂b 40-F. 158585

Int. Cl. B 01 d 9/00.

PROCESS FOR THE EXTRACTION OF SOLID MATERIAL FROM SOLUTION BY CRYSTALLIZATION.

Applicant : RICHTER GEDEON VEGYESZETI GYAR RT., OF 19 GYOMROI UT, BUDAPEST X, HUNGARY.

Inventors : 1. DR. ISTVAN TAKACS, 2. DR. JOZSEF FEIMERI, 3. GYORGY KEREY, 4. PETER RUDOLF, 5. ZOLTAN BANOS, 6. ENDRE VERECZKEY 7. GYULA BOSITS.

Application No. 316/Cal/84 filed May 9, 1984.

Division of Application No. 955/Cal/80 dated 21st August, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A continuous process for the extraction of solid materials such as herein described in the form of crystals of required size from solution by crystallization in the course of which a mother phase in the metastable range is formed with a mixture of fresh solution and mother lye of lower temperature, crystallization begins in the mother phase, then the mother phase is further cooled to such an extent that it remains in the metastable range and in this way the crystal growth is increased, then crystals are separated from the crystal slurry characterized by separating the crystals from the crystal slurry in such a way that the crystal slurry is graded with continuous filtration as herein described thereby separating the crystal slurry into a fraction containing the required size of crystal grains and a mother lye containing smaller crystal gains than the gain size of the former fraction, and continuously mixing the resulting mother lye with the fresh solution, allowing the fresh solution including the crystal grains in the mother lye to settle in a gravitational field, while the liquid mother lye phase of lower density than that of the fresh solution is discharged; intensifying crystallization by cooling of the mother phase containing the crystals separated from the mother lye and the fresh solution and simultaneously subjecting the mother phase to a movement of the type such as described hereinbefore; filtering the crystal slurry; and continuously repeating the above-described process.

Compl. Specn. 24 pages, Drg. 1 sheet.

CLASS : 32-F₂ b. 158586

Int. Cl. C 07 d 99/10.

A PROCESS FOR PRODUCING CEPHALOPSPRIN ESTER DERIVATIVES.

Applicant : TAKEDA CHEMICAL INDUSTRIES, LTD., OF 27 DOSHOMACHI 2-CHOME, HIGASHI-KU OSAKA 541 JAPAN.

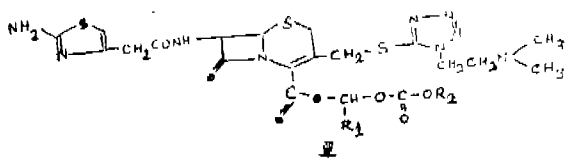
Inventors : 1. TATSUO NISHIMURA, 2. YOSHINOBU YOSHIMURA, 3. MITSUO NUMATA.

Application No. 371/Cal/84 filed May 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

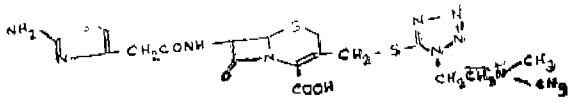
14 claims

A process for producing a compound of the formula (I) of the accompanying drawings



I

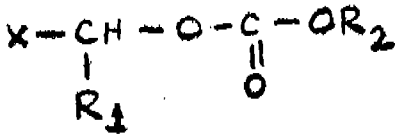
wherein R_1 is a hydrogen atom or a lower alkyl group; R_2 is an unsubstituted or lower (having 1 to 3 carbon atoms) alkyl substituted alicyclic alkyl group of 3 to 12 carbon atoms or a C_3-6 alicyclic alkyl-substituted lower (having 1 to 3 carbon atoms alkyl group, or a pharmaceutically acceptable salt thereof, which comprises reacting a compound of the formula (II)



II

or its salt; with a compound of the formula : HO-CH-O-C-OR_2 (R_1 O) V

wherein R_1 and R_2 have the same meaning as defined above or its reactive derivative such as a compound of the formula (III).



III

wherein X is a halogen atom; R_1 and R_2 have the same meaning as defined above in presence of solvent which is inert to the reaction such as herein described at a temperature between about minus 20°C and 20°C.

Compl. Specn. 45 pages. Drgs. 26 sheets.

CLASS : 94-C & G. 158587

Int. Cl. B 02 c 7/00.

DISC CRUSHER.

Applicant : I S O "METALLURGKOMPLEKT", 85, ST. LEPOEV STREET, SOFIA, BULGARIA.

Inventors : 1. IVAN VASSILEV GENEV, 2. STEFAN TODOROV BAGAROV, 3. EVTIM VASSILEV GENEV, 4. BORIS YORDANOV DRAKALIISKI, 5. KOSTA YANKOV KIRILOV, 6. MARIN PAVLOV MARINOV.

Application No. 382/Cal/83 filed March 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

Disc Crusher consisting of a housing fitted on a supporting frame and closed by a cover having an input tube, wherein in the housing a rotary disc and a rotory cone are fitted, a crushing port being formed between the rotory cone and the rotory disc characterized by the fact that the rotory disc (8) is orientated in a vertical plane, and the rotory cone (11) is mounted in a horizontal plane and its axis intersects the rotory disc (8) in its centre.

Compl. Specn. 5 pages. Drg. 1 sheet.

CLASS : 32-E. 158588

Int. Cl. 308f 3/04.

AN IMPROVED PROCESS OF POLYMERIZATION OR COPOLYMERIZATION OF ETHYLENE.

Applicant : NISSAN CHEMICAL INDUSTRIES LTD. OF 7-1, 3-CHOME KANDA-NISHIKI-CHO, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKESHI IWABUCHI, 2. HIROSHI MORINAGA, 3. MASAO KAWAHARA, 4. SAKAE KAMIYAMA, 5. TERUMI SATO,, 6. MUNETO YOKOTA.

Application No. 237/Cal/85 filed March 29, 1985.

Division of Application No. 639/Cal/82 dated 4th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 claims

An improved process for the polymerisation or copolymerisation of ethylene in the manner such as herein described, using a catalyst prepared by a process as claimed in Indian Patent Application No. 639/CAL/82.

Compl. Specn. 35 pages. Drg. nil.

CLASS : 32-F$_2$ b + 55-E., & c. 158589

Int. Cl. C 07 d 99/24.

PROCESS FOR THE PREPARATION OF -CEPHALOS PORINGS.

Applicant : TOYAMA CHEMICAL CO., LTD., OF 2-5, 3-CHOME, NISHISHINJUKU SHINJUKU-KU, TOKYO 160, JAPAN.

Inventors : 1. HIROSHI SADAKI, 2. HIROKAZU NARITA, 3. HIROYUKI IMAIZUMI, 4. YOSHINORI KONISHI, 5. TAKIHIRO INABA, 6. TATSUO HIRAKAWA, 7. HIDEO TAKI, 8. MASARU TAI, 9. YASUO WATANABE, 10. ISAMU SAIKAWA.

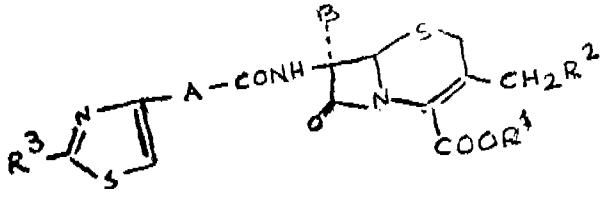
Application No. 601/Cal/84 filed August 29, 1984.

Division of Application No. 1045/Cal/81 dated 19th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

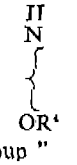
19 claims

A process for producing a cephalosporin compounds represented by the general formula [I] of the accompanying drawings



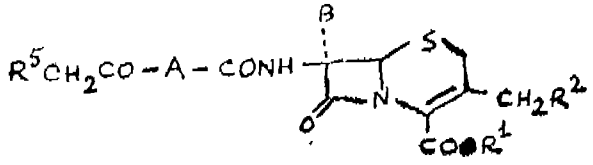
I

or a salt thereof wherein R^1 represents a hydrogen atom or a carboxyl-protecting group; R^2 represents a substituted or unsubstituted aryl, acylamino, aromatic heterocyclic, triazolyl or tetrazolyl group, said aromatic heterocyclic group being attached to the exomethylene group at the 3-position of the cephem ring through a carbon-carbon bond and said triazolyl or tetrazolyl group being attached to the exomethylene group at the 3-Position of the cephem ring through a carbon-nitrogen bond; R^3 represents a hydrogen atom or an amino group which may optionally be protected or substituted; A represents a group of the formula $-CH_2-$ or a group of the formula, -C- in which R^4 represents a hydrogen atom or an



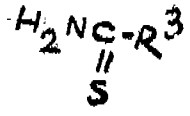
alkyl group "

and the bond M means that the compound may be a synisomer or an and isomer or a mixture thereof; and B represents a hydrogen atom or a lower alkoxy group which comprises reacting a compound of the general formula [II] of the accompanying drawings



II

or a salt thereof; wherein R^1, R^2, A and B have the same meanings as defined above; and R^5 represents a halogen atom, with a compound represented by the formula [III] of the accompanying drawings,



III

wherein R^3 has the same meaning as defined above, if desired removing the protecting group in a conventional manner, the salt being produced, if desired, in a conventional manner.

Compl. Specn. 133 pages. Drgs. 41 sheets.

CLASS : 32-F$_2$ b + 55-E., &c. 158590

Int. Cl. C 07 d 99/24.

PROCESS FOR THE PREPARATION OF CEPHALOSPORINS.

Applicant : TOYAMA CHEMICAL CO., LTD., OF 2-5, 3-CHOME, NISHISHINJUKU, SHINJUKU-KU, TOKYO 160, JAPAN.

Inventirs : 1. HIROSHI SADAQI, 2. HIROKAZU NARITA, 3. HIROYUKI IMAIZUKI, 4. YOSHINORI KONISHI, 5. TAKIHIRO INABA, 6. TATSUO HIRAKAWA, 7. HIDEO TAKI, 8. MASARU TAI, 9. YASUO WATANABE, 10. ISAMU SAIKAWA.

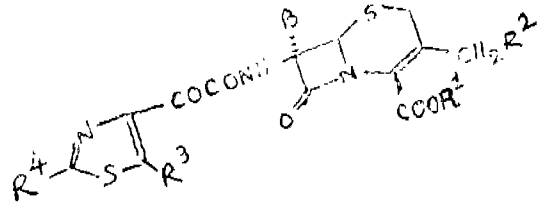
Application No. 602/Cal/84 filed August 29, 1984.

Division of Application No. 1045/Cal/81 dated 19th September 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta.

14 ilaims

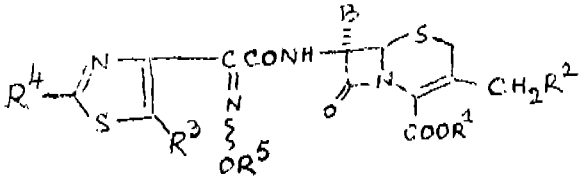
A process for producing a cephalosporin compounds represented by the general formula I of the accompanying drawings



I

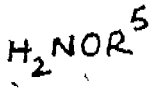
or a salt thereof wherein R^1 represents a hydrogen atom or a carboxyl-protecting group; R^2 represents a substituted or unsubstituted aryl, acylamino, aromatic heterocyclic, triazolyl or tetrazolyl group, said aromatic hererocyclic group being attached to the exomethylene group at the 3-position of the cephem ring through a carbon-carbon bond, and said triazolyl or tetrazolyl group being attached to the exomethylene group at the 3-position of the cephem ring through a carbon-nitro-

gen bond; R^a represents a hydrogen or halogen atom; R^4 represents a hydrogen atom or an amino group which may optionally be protected or substituted; R^5 represents a hydrogen atom or an alkyl group; the bond means that the compound may be a cyn isomer or an anti isomer or a mixture thereof; and B represents a hydrogen atom or a lower alkoxy group, which comprises reacting a compound of the general formula II of the accompanying drawings or a salt thereof



II

wherein R^1, R^2, R^3, R^4 and B have the same meanings as defined above, with a compound represented by the general formula III of the accompanying drawings



III

or a salt thereof, wherein R^5 has the same meaning as defined above and then, if desired, removing the carboxyl protecting group or converting to a salt, in a conventional manner.

Compl. Specn. 103 pages. Drgs. 25 sheets.

OPPOSITION PROCEEDINGS

An opposition entered by National Research Development Corporation of India to the grant of a patent on application No. 150661 made by the Permelec Electrode Limited as notified in the Gazette of India, Part-III, Section 2 dated the 11th June, 1983 has been dismissed and ordered that a patent to be sealed.

(1)

157887

(2)

157898 157905 157908 157909 157912 157913 157914 157915 157916 157919

(3)

157930 157936

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157952 157963

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157991 157992 157993 157994 157995 157996 157997 157998 157999 158000 158001 158002 158003 158004 158005 158006 158007 158008 158009 158010 158011 158012 158013 158014 158015 158016 158017 158018 158019 158020 158021 158022 158023 158024 158025 158026 158027 158028 158029 158030

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158031 158032 158033 158034 158035 158036 158037 158038 158039 158040 158041 158042 158043 158044 158045 158046 158047 158048 158049 158050 158051 158052 158053 158054 158055 158056 158057 158058 158059 158060 158061 158062 158063 158064 158065 158066 158069 158070

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(9)

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(10)

158122 158124 158125 158127 158128 158130 158131 158132 158133 158136 158137 158142 158143 158148 158151

PATENTS SEALED

155166 155625 155676 155704 155731 155906 156412 156490 156536 156538 156539 156540 156544 156553 156557 156560 156571 156580 156597 156604 156628 156631 156632 156644 156647 156651 156652 156654 156657 156659 156665 156668 156670 156678 156679 156698

RENEWAL FEES PAID

139906 140180 140474 141013 142312 143177 143218 143989 145949 146197 146273 146438 148859 148871 149087 149320 149361 149421 149514 149919 150031 150111 150239 150321 150331 150374 150786 150899 150998 151983 152206 152277 152460 152826 152971 152990 153070 153110 153272 153339 153571 153612 154113 154229 154537 154621 154625 154632 154645 154647 154653 154808 154880 154899 154900 154914 154938 154973 154996 155078 155088 155290 155577 155629 155661 156147 156437 156447 156488 156497 156510 156516

CESSATION OF PATENTS

144768 146632 149971 151570 154127 154170 154325 155152 155153

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoratiorn of Patent No. 148469 granted to Ram Narain Kher for an invention relating to "a water distribution means for use with an air cooler".

The patent ceased on the 27th September, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11th October, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 6th February, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoratiorn of Patent No. 148470 granted to Ram Narain Kher for an invention relating to "a water distribution means for use with an air cooler".

The patent ceased on the 27th September, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11th October, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 6th February, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoratiorn of Patent No. 152748 granted to Nirmal Kumar Fatesaria for an invention relating to "pneumatically operated calling bells".

The patent ceased on the 4th September, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11th October, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 6th February, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoratiorn of Patent No. 152861 granted to Babcock-Moxey Limited for an invention relating to "improvement in mechanical handling apparatus for reclaiming material from a stockpile".

The patent ceased on the 10th September, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11th October, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 6th February, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoratiorn of Patent No. 152985 granted to Comp Air Industrial Limited for an invention relating to "improvements in or relating to regenerative rotodynamic machines."

The patent ceased on the 27th November, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11th October, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 6th February, 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 157195. Tullu Domestic Appliances Prop. U.P. National Manufacturers Private Limited, Ramkatora Road, Post Box No. 1058, Varanasi-221001, Uttar Pradesh India. An Indian Company. "Blade For Mixie". 25th June, 1986.

Class. 1. No. 155810. President Sports Industries, Suraj Kund Road, Meerut U.P. (Indian) a Partnership firm. "Stomach Exerciser". 8th July, 1985.

Class. 3. No. 157158. Egale Flask Private Limited, an Indian Company under the Companies Act, at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Vacuum Jug". 17th June, 1986.

Class. 3. No. 157159. Eagle Flask Private Limited, an Indian Company under the Companies Act, at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Flask". 17th June, 1986.

Class. 3. No. 157160. Eagle Flask Private Limited, an Indian Company under the Companies Act, at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Tong". 17th June, 1986.

Class 3. No. 157044. M/s. Splendour Presentations, C-23, Connaught Place, New Delhi-110001, India an Indian Partnership concern. "Yearly Data Folder". 8th May, 1986.

Class. 3. Nos. 157197, 157198, 157199, 157200, 157201. Kabushiki Kaisha Toshiba (Toshiba Corporation), a Corporation duly organised under the laws of Japan, of 72 Horikawa-Cho, Saiwai-ku, Kawasaki-shi, Japan. "Television Receiver". 25th June, 1986.

Class. 3. Nos. 157136, 157137. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon-410 507, District-Pune, State of Maharashtra, India. "Cassrole". 11th June, 1986.

Class. 3. No. 157138. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegan-510507, District-Pune, Maharashtra State, India. "Bottle". 11th June 1986.

Class. 3. No. 157139. Eagle Flask Private Limited, an Indian Co. at Eagle Estate, Talegaon-510507, District-Pune Maharashtra State, India. "JUG". 11th June, 1986.

Class. 3. No. 157161. Kabushiki Kaisha Toshiba (Toshiba Corporation), a Corporation duly organised under the laws of Japan, of 72 Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan. "Television". 17th June, 1986.

Class. 3. No. 156775. Sinclair Research Limited, a British Company of Milton Hall, Milton, Cambridge CB4 4AE, England. "Computer". 12th March, 1986.

Class. 4. No. 157154. Blue Cross Laboratories Private Limited, 305, Raheja Centre, Nariman Point, Bombay-400021, Maharashtra, India, a private limited company registered and incorporated under the Indian Companies Act, 1956. "Bottle". 16th June, 1986.

Name Index of Applicants for Patents for the month of February, 1986 (Nos. 75/Cal/86 to 153/Cal/86, 42/Bom/86 to 78/Bom/86, 72/Mas/86 to 140/Mas/86 and 100/Del/86 to 180/86).

Name Appln. No.

—A—

AB Siwertell—76/Cal/86.

AEPLC.—81/Mas/86.

A.H. Robins Company, Incorporated.—90/Mas86, 91/Mas/86.

Adams, G.W.—79/Mas/86.

Adhiacon.—143/Cal/86.

Agarwal, N.—44/Bom/86.

Aggarwal, T. K.—61/Bom/86.

Agrawal, M.D.—75/Bom/86.

Akzo N.V.—112/Mas/86.

Allied Corporation.—110/Mas/86, 118/Mas/86.

Ambasz, E.—85/Cal/86.

American Combustion.—42/Bom/86.

Amoco Corporation.—104/Del/86.

Armco Inc.—120/Del/86.

Arvind Mills Limited, The.—77/Bom/86.

Ascu Kiekson Limited.—87/Cal/86.

Athalya, K. V.—73/Bom/86.

Atlas Cycle Industries Ltd., The.—122/Del/86.

Australian National University, The.—93/Cal/86.

Avondale Industries, Inc.—112/Del/86.

—B—

BBC Brown, Boveri & Company Limited.—89/Mas/86, 94/Mas/86, 109/Mas/86.

BP Chemicals Ltd.—121/Del/86, 135/Del/86, 158/Del/86.

Ballivet, M.—127/Cal/86.

Batham, C.—74/Bom/86.

Belorussky Politekhnichesky Institut.—125/Cal/86.

Bendix Limited.—171/Del/86, 172/Del/86.

Benytone Corporation.—139/Mas/86.

Bhattacharyya, R.L.—122/Mas/86.

Binder & Co. Aktiengesellschaft.—152/Cal/86.

Board of Regents, The University of Texas System (USA).—130/Mas/86.

Board of Trustees, operating Michigan State University, (USA).—114/Mas/86.

Bothra, A.—106/Cal/86.

Brandt, Inc.—78/Mas/86.

British Petroleum Company p.l.c.; The.—86/Mas/86.

British Steel Corporation.—132/Mas/86.

Brosnahan, J. W.—79/Mas/86.

Name Appln. No.

—C—

Cabot Corporation.—104/Mas/86.

Ceramica Filippo Maruzzi S.p.A.—84/Cal/86.

Chaudhuri, S.—121/Cal/86, 122/Cal/86.

China Metallurgical Import and Export Corporation.—104/Cal/86.

China Metallurgical Safety Technology Institute.—104/Cal/86.

Chloride India Limited.—148/Cal/86.

Chourashia, D.—113/Cal/86.

Colgate Palmolive Company.—140/Del/86.

Combustion Engineering Inc.—126/Cal/86.

Commonwealth Scientific and Industrial Research Organisation.—97/Mas/86.

Compagnie Europeenne De Zirocnium Cezus.—136/Mas/86.

Congoleum Corporation.—123/Del//86.

Council of Scientific and Industrial Research.—109/Del/86.

Crompton Greaves Ltd.—58/Bom/86.

Crucible Materials Corporation.—111/Del/86.

—D—

Deo, S.M.—53/Bom/86.

Desai, B.T.—72/Bom/86.

Dow Chemical Company, The.—76/Mas/86.

Duphar Inernational Research B.V.—80/Cal/86.

Dymax Corporation.—177/Del/86.

—E—

E.I. Du Pont De Nemours and Company.—130/Cal/86.

Eduard Wille GmbH & Co.—125/Mas/86.

Edwards, W.—153/Cal/86.

Energy Conversion Devices, Inc.—116/Del/86.

Energy Conversion Trust.—98/Cal/86.

Engelhard Corporation.—149/Cal/86, 151/Cal/86.

Envirecon Services Limited.—77/Mas/86.

Exide Electronics International Corp.—124/Del/86.

—F—

Firestone Tire & Rubber Co., The.—159/Del/86.

Fives-Cail Babcock.—102/Mas/86.

Flavourtech Pty. Ltd.—99/Cal/86.

Formica Corporation.—135/Mas/86.

Francesco, C.—96/Cal/86.

Fried Krupp Gesellschaft Mit Beschrankter Haftung.—111/Cal/86.

Name Appln. No,

—G—

GKN Technology Ltd.—131/De/86.

Gaikar, N. R. (Mrs.).—52/Bom/86.

Gaikhar, N.R.—52/Bom/86.

General Electric Company.—134/Cal/86.

General Foods Corporation.—136/Del/86, 161/Del/86.

General Foods Inc./179/Del/86.

General Motors Corporation.—115/Mas/86.

Georg Fischer Akiengesellschaft.—103/Cal/86, 105/Cal/86.

Goodyear Tire & Rubber Company, The.—100/Del/86, 101/Del/86.

Gopalakrishnan, S.P.—138/Mas/86.

Great Plastic Industrial Co. Ltd.—88/Mas/86.

Guigan, J.—175/Del/86, 176/Del/86.

Gupta, B.K.—173/Del/86.

Gupta, D.—137/Del/86.

—H—

Heat and Control Pty. Ltd.—106/Del/86.

Hindustan Lever Limited.—47/Bom/86, 48/Bom/86, 49/Bom/86, 76/Bom/86.

Hindustan Machines.—146/Del/86.

Hirayama Satsubi Kabushiki Kaisha.—117/Mas/86.

—I—

IEL Limited.—91/Cal/86.

Imperial Chemical Industries PLC.—151/Del/86, 152/Del/86.

Imperial Clevite, Inc.—150/Cal/86.

Indian Petrochemicals Corporation Limited.—51/Bom/86.

Indian Space Research Organisation.—93/Mas/86.

Indo Gulf Explosives Ltd.—157/Del/86.

Institut Francais Du Petrole.—101/Mas/86.

—J—

J&C Enterprises B.V.—162/Del/86.

Jain, S.—106/Cal/86.

Jain, V.—106/Cal/86.

Janorkar, S. B.—42/Bom/86.

Jariwala, D. N.—45/Bom/86.

Jyoti Limited.—78/Bom/86.

—K—

Kalina, A.I.—106/Mas/86.

Kanegafuchi Kagaku Kogyo Kabushiki Kaisha.—111/Mas"86.

Kauffman S.A.—127/Cal/86.

Kavthekar, K S.—57/Bom/86.

Kerala State Electronics Development Corporation, Ltd.—72/Mas/86.

Name and Appln. No.

Khanna, V. K.—147/Cal/86.

Kher, B.—53/Bom/86.

Korf Engineering GmbH.—77/Cal/86, 110/Cal/86.

Kortec AG.—112/Cal/86.

Kothari, S.—68/Bom/86, 69/Bom/86.

Kulkarni, V. P.—55/Bom/86.

Kumar, A.—166/Del/86.

—L—

LT-Produkter Skutskar AB.—89/Cal/86.

Lanxide Corporation.—81/Cal/86, 82/Cal/86.

Larsen & Toubro Limited.—70/Bom/86.

Lenzing Aktiengesellschaft.—155/Del/86.

Lubrizol Corporation, The.—154/Del/86, 178/Del/86.

Lucas Industries Public Limited Company.—119/Mas/86.

—M—

M. W. Kellogg Co., The.—165/Del/86.

Mahajan, A.S.—136/Cal/86.

Maiti, P. S.—75/Cal/86.

Maschinenfabrik Rieter AG.—108/Mas/86.

Metal Box P.l.c.—75/Mas/86.

Metallgesellschaft Aktiengesellschaft.—132/Cal/86.

Metallurgical & Engineering Consultants (India) Limited.—86/Cal/86, 107/Cal/86, 108/Cal/86, 109/Cal/86.

Meulen, L.V.D.—133/Mas/86.

Michigan Consolidated Gas Company.—88/Cal/86.

Minnesota Mining and Manufacturing Company.—105/Mas/86, 107/Mas/86.

Mitsuboshi Belting Ltd.—92/Mas/86.

Mitsui Toatsu Chemicals Incorporated.—144/Cal/86.

Mobil Oil Corporation.—137/Mas/86.

Mobil Solar Energy Corporation.—105/Del/86.

Montedison S.p.A.—92/Cal/86.

Mull, V.—142/Del/86, 145/Del/86.

Muzumdar, A.V.—54/Bom/86.

—N—

N. V. Bekaert S.A.—139/Del/86, 141/Del/86.

Nabisco Brands, Inc.—95/Cal/86.

Nakamura, Y.—137/Cal/86.

National Council for Cement and Building Material.—150/Del/86.

New England Biolabs, Inc.—128/Mas/86.

Newport Pharmaceticals International, Inc.—125/Del/86, 170/Del/86.

Neyrpic.—129/Cal/86.

Normalair-Garrett (Holdings) Limited.—123/Mas/86.

Novo Industri A/S.—124/Mas/86.

—O—

Olsen, R.R.—169/Del/86.

Oroamerica, Inc.—138/Del/86.

Otto India Private Limited.—115/Cal/86.

Owens-Illinois, Inc.—84/Mas/86, 120/Mas/86, 121/Mas/86.

Name and Appln. No.

—P—

Package Research Corporation.—134/Del/86.

Panchal, R. N.—65/Bom/86.

Paques B.V.—146/Cal/86.

Patel, R.—66/Bom/86.

Patil, V.A.B.A.—99/Mas/86.

Patwardhan, R.G.—67/Bom/86.

Paul, V.K.—133/Cal/86, 145/Cal/86.

Peyre, X.—129/Del/86.

Pfizer Inc.—174/Del/86.

Pipercross Limited.—90/Cal/86.

Poddar, K.P.—60/Bom/86.

Precise Power Corporation.—118/Cal/86.

Proizvodstvennoe Obiedinenie "Minsky Motorny Zaxod".—125/Cal/86.

Pugh, C.E.—134/Mas/86.

Puma-Sportschuhfabriken Rudolf Dassler KG.—114/Cal/86.

Punjab Tractors Limited.— 113/Del/86.

—R—

Rao, L.G.—74/Mas/86.

Raychem Corporation.—80/Mas/86, 85/Mas/86.

Research and Development Institute, Inc.—100/Cal/86.

Rheem Australia Limited.—140/Cal/86.

Roberts, J.C.—127/Cal/86.

Rodrigues, D.D.—56/Bom/86.

—S—

STC PLC.—119/Del/86.

Saipem S.p.A.—87/Mas/86.

Sanden Corporation.—117/Del/86, 147/Del/86, 149/Del/86, 160/De/186.

Scopas Technology Company, The.—83/Cal/86.

Searle (India) Limited.—64/Bom/86.

Secretary of State for Trade and Industry in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The.—102/Del/86.

Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland.—167/Del/86.

Senanayake, D. R. 141/Cal/86, 142/Cal/86.

Shah, D. N.—62/Bom/86, 63/Bom/86.

Shah, N. N.—62/Bom/86, 63/Bom/86.

Shah, N. N. (Smt.).—62/Bom/86, 63/Bom/86.

Shah, R. N.—62/Bom/86, 63/Bom/86.

Shell Internationale Research Maatschappij B.V.—126/Mas/86.

Shirodkar, P.Y. (Dr.).—45/Bom/86.

Siemens Aktiengesellschaft.—117/Cal/86.

Singh, A.—130/Del/86.

Singh, V.—144/Del/86.

Sita, B. (Sm.).—103/Mas/86.

Societe des Produits Nestle S.A.—129/Mas/86.

Societe Generale des Eaus Minerales de Vittel.—126/Del/86, 127/Del/86

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Societe Ivoirienne De Technologie Tropicale.—132/Del/86.

Societe Nationale Des Poudres Et Explosifs.—110/Del/86.

Sri Aurobzindo Society.—113/Mas/86.

Stamicarbon B.V.—100/Mas/86.

Standipack Pvt. Ltd.—143/Del/86.

Stankovich, I.—116/Mas/86.

Subnil Packaging Industries.—50/Bom/86.

Sudarshan, S.—96/Mas/86.

Sumitomo Chemical Company, Limited.—95/Mas/86.

—T—

Teletronic Nachrichtentechnik GmbH.—120/Cal86.

Texas Instruments Incorporated.—114/Del/86, 115/Del/86.

Tihana Pty. Ltd.—163/Del/86.

Tocco, Inc.—82/Mas/86, 83/Mas/86.

Trutzschler GmbH & Co. Kg.—97/Cal/86.

—U—

UOP Inc.—107/Del/86, 158/Del/86.

USM Corporation.—156/Del/86.

Unie Van Kunstmestfabriken B. V.—98/Mas/86.

Union Carbide Corporation.—140/Mas/86, 148/Del/86, 164/Del/86.

University of Queensland—116/Cal/86.

Ushu Atlas Hydraulic Equipment Limited.—123/Cal/86, 124/Cal/86.

—V—

Vaidyanathan, L.G.I.—131/Mas/86.

Vapor Corporation.—133/Del/86, 153/Del/86.

Vartak, T.P.—46/Bom/86.

Veeder Industries Inc.—128/Del/86.

Verma, I.D.—103/Del/86.

Voltas Limited.—59/Bom/86.

Vickers, Incorporated.—135/Cal/86.

Vsesojuzny Institut Po Proektirovanlju Organizatsii Energeticheskogo Stroitelstva "Orgenergostroi".—78/Cal/86, 131/Cal/86.

Name and Appln. No.

—W—

W.M.R. Stewart & Sons (HA-CKLEMAKERS) Limited.—128/Cal/86.

Ward, A.D.—79/Cal/86.

Waymate, Limited.—119/Cal/86.

Westinghouse Canada Inc.—94/Cal/86.

Westinghouse Electric Corporation.—101/Cal/86, 102/Cal/86, 138/Cal/86, 139/Cal/86.

White Consolidated Industries Inc.—180/Del/86.

Widia (India) Limited.—73/Mas/86.

Williams, G.L.—71/Bom/86.

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